112-A

Cunningham Radiotron
RCA-112-A

AMPLIFIER, DETECTOR

Filament	Coated	
Voltage	5.0	d-c volts
Current	0.25	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	8.5	μμf
Grid to Filament	4.0	μμf
Plate to Filament	2.0	μμf
Maximum Overall Length		4-11/16"
Maximum Diameter		1-13/16"
Bulb		ST-14
Base		Medium 4-Pin Bay.

Pin 1-Filament+ Pin 2-Plate Pin 3-Grid Pin 4-Filament-

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

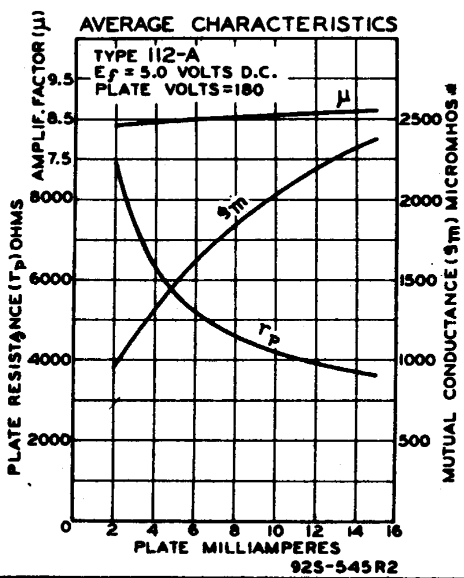
Filament	5.0	5.0	5.0	d-c volts
Plate	90	135	180 max.	volts
Grid	-4.5	-9	-13.5	volts
Amp. Fact.	8.5	8.5	8.5	
Plate Res.	5400	5100	4700	ohms
Mut. Cond.	1575	1650	1800	μmhos
Plate Cur.	5.0	6.2	7.7	ma.
Load Res.	5000	9000	10650	ohms
U.P.O.	0.035	0.13	0.285	watts

If a grid coupling resistor is used, its maximum value should not exceed 1.0 megohm.

DETECTOR

Typical Operation:	Biased		Grid-Leak	
Filament	5.0	5.0	5.0	d-c volts
Plate	135	180	45	volts
Grid	-15*	-21*	Return to (+) Fil.	volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal		-	
Grid Leak	-	-	0.25 to 5.0	megohms
Grid Condenser	-	-	0.00025	μf

* Approximate.

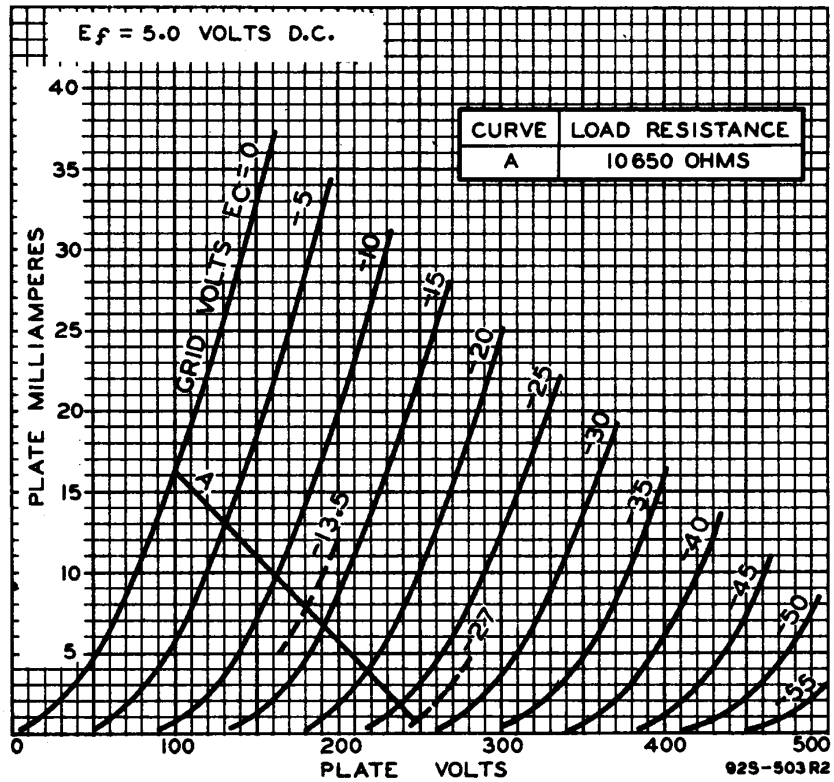


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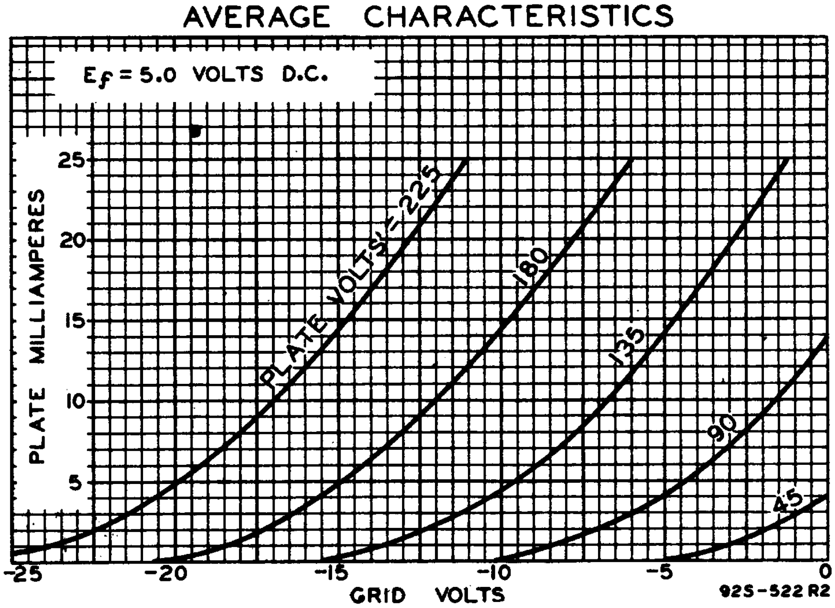
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AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



JULY 16, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4429